

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time April 28, 2004

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Agency CDPHE

Purpose of Contact Survey Unit 23 Disposition

Discussion

In accordance with the 776/777 DOP, Appendix I, the preparation of the facility for demolition is conducted in consultation with the CDPHE and is based on a series of decisions primarily related to maintaining releases to the environment and doses to the workers as low as reasonably achievable (ALARA) This contact record documents the activities that were conducted to prepare Survey unit 23 for demolition Survey unit 23 consists of rooms 445, 453, 458, 459, 459A, and 460

The preparation process for Survey unit 23 was initiated January 5, 2004 when a package for in-process radiological surveys was prepared and executed Once the surveys were complete, the results were discussed at the weekly 776/777 survey status meeting, and the decision was made to complete the following

- Remove the contaminated metal from trough
- Remove contaminated bolts from concrete floor
- Shave areas on the floors with highest sodium iodide readings
- Removed upper 3 feet of south, east, and west walls in room 245

The area was resurveyed in accordance with the Radiological Pre-Demolition Survey Plan for Buildings 776/777 The surveys were provided to the CDPHE project representative, and a walk down of the area was conducted

In addition to the radiological hazards, the non-radiological hazards have also been addressed in Survey unit 23 The following summarizes the non-radiological activities

- Room 445 contained ancillary RCRA piping associated with the T-tanks and Building 779 This portion of the RCRA unit was closed through the removal of the piping and the secondary containment gutter under the piping
- Chemicals and hazardous substances have been removed
- Beryllium regulated and controlled areas have been closed Rooms 445, 459, and 459A were listed on the historical list of rooms The historical record indicates

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storage of beryllium parts, machining of beryllium, and non-destructive testing may have taken place in these rooms. Since the baseline survey, the rooms have been stripped of all equipment. The final beryllium surveys for this area were collected on horizontal surfaces from floor to ceiling, and all samples were below the reporting limit of 0.1 ug/100 cm².

- Polychlorinated biphenyls (PCB) hazards and equipment have been removed
- Asbestos has been abated

Based on the survey results and the principles of ALARA, the risks (industrial and radiological) to the workers are greater than the benefit in source term reduction, which would be gained through additional decontamination. The state project representative agrees that decontamination inside Survey unit 23 has progressed to the point of reasonably achievable removal and that the subsequent step of encapsulation is appropriate.

In summary, ALARA-based decontamination has been completed, Survey unit 23 will be encapsulated and surveyed for removable contamination, and controls will be applied during demolition. This contact record will be included as an appendix to the characterization report for Survey unit 23.

Contact Record Prepared By. Dyan Foss

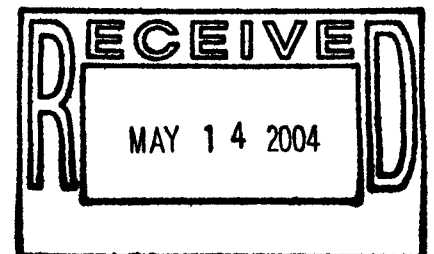
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